

INTERNATIONAL SEARCH REPORT

International Application No
PCT/03/00471

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04M1/00 H04M1/725

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 158 754 A (JARRETT PHILLIP) 28 November 2001 (2001-11-28) column 7, line 8 -column 9, line 46; figures 2-6 abstract ---	1-10
Y	EP 0 935 377 A (LUCENT TECHNOLOGIES INC) 11 August 1999 (1999-08-11) column 3, line 33 -column 7, line 20; figures 1,2 abstract ---	1-10
Y	EP 0 892 533 A (NOKIA MOBILE PHONES LTD) 20 January 1999 (1999-01-20) column 3, line 6 -column 4, line 31; figures 1,2 abstract -----	1-10

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

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- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
15 October 2003	03.11.2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer ROLAND LANDSTRÖM/MN

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Information on patent family members

International application No.

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1158754	A	28-11-2001	EP GB US	1158754 A2 2358771 A ,B 2001031645 A1		28-11-2001 01-08-2001 18-10-2001
EP 0935377	A	11-08-1999	US CN EP JP	6256519 B1 1232337 A 0935377 A2 11317811 A		03-07-2001 20-10-1999 11-08-1999 16-11-1999
EP 0892533	A	20-01-1999	GB EP JP US	2327554 A 0892533 A2 11103338 A 6272361 B1		27-01-1999 20-01-1999 13-04-1999 07-08-2001